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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/760,094	01/12/2001	Jens Baltersee	2-2-2	1665

24490 7590 06/21/2004

LAW OFFICES OF NAREN CHAGANTI
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EXAMINER

MUNOZ; GUILLERMO

ART UNIT	PAPER NUMBER
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2634

DATE MAILED: 06/21/2004

9

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/760,094

Applicant(s)

BALTERSEE ET AL.

Examiner

Guillermo Munoz

Art Unit

2634

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 12 January 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-25 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-6, 9-14 and 16-25 is/are rejected.
- 7) ☒ Claim(s) 7, 8 and 15 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

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DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-6, 9-14, and 16-25 rejected under 35 U.S.C. 102(e) as being anticipated by
Papaskellariou et al.

Regarding Claim 1

Claim Interpretation

A detection stream and a synchronizing stream are interpreted as either being two functions performed, in each finger. Decorrelating, in the synchronizing stream, is interpreted as early-late detection using either one or two correlation circuits. The reducing step is interpreted as meaning using the phase and amplitude information for a finger to reduce the interference of at least one other finger.

Prior Art

Aris et al. teach a Spread Spectrum Time Tracking system which teach all the claimed subject matter “receiving...at least one of the receiving fingers” in claim 1 as follows. Aris et al. disclose rake receive having a number of delay-lock loop and tau-dither loop code tracking loops based on early-late gate principals assigned to each finger, note paragraphs

0004 and 0009. Aris et al. teach interference correction based on subtraction of decision statistics of paths within the range of the S-curve, note paragraph 0014.

Regarding Claim 2

Aris et al. further teach the claimed subject matter in paragraph 0014.

Regarding Claim 3

Aris et al. further teach the claimed subject matter in paragraph 0005.

Regarding Claim 4

Aris et al. further teach the claimed subject matter in paragraph 0011.

Regarding Claim 5

Aris et al. further teach the claimed subject matter in paragraph 0004.

Regarding Claim 6

Aris et al. further teach the claimed subject matter in paragraph 0006.

Regarding Claim 9

Aris et al. further teach the claimed subject matter in figure 3, element labeled Loop Filter.

Regarding Claim 10

Aris et al. further teach the claimed subject matter in paragraph 0002.

Regarding Claim 11

Aris et al. further teach the claimed subject matter in paragraph 0014.

Regarding Claim 12

Aris et al. further teach the claimed subject matter in paragraph 0006.

Regarding Claim 13

Aris et al. further teach the claimed subject matter in paragraph 0005.

Regarding Claim 14

Aris et al. further teach the claimed subject matter in paragraph 0006.

Regarding Claim 16, see claim 1.

Regarding Claim 17

Aris et al. further teach the claimed subject matter in paragraph 0014.

Regarding Claim 18, see claim 2.

Regarding Claim 19

Aris et al. further teach the claimed subject matter in figure 2, element labeled A/D.

Regarding Claim 20, see claim 6.

Regarding Claim 21, see claim 9.

Regarding Claim 22, see claim 10.

Regarding Claim 23, see claim 11.

Regarding Claim 24

Aris et al. further teach the claimed subject matter in paragraph 0003.

Regarding Claim 25

Aris et al. further teach the claimed subject matter by the inherency of the operation of WCDMA.

Claim Objections

Claim 7, 8, and 15 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Guillermo Munoz whose telephone number is 703-305-4224.


The examiner can normally be reached on Monday-Friday 8:30a.m-4:30p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Chin can be reached on 703-305-4714. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-306-0377.

Guillermo Munoz

GM
June 10, 2004


STEPHEN CHIN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800